

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/036,776	KEMMERER ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Brian T. Pendleton	2644	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment on 3/14/05.
2. ☒ The allowed claim(s) is/are 1 and 3-10.
3. ☒ The drawings filed on 29 December 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
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**DETAILED ACTION**

***Allowable Subject Matter***

Claims 1, and 3-10 are allowed.

The following is an examiner's statement of reasons for allowance:

Claim 1 requires a memory for storing information that determines either the first mode or the second mode of a voltage supply device for a vehicle when the device power is turned on and wherein setting means sets the voltage supply device to either the first mode or the second mode based on the information in the memory. The first mode is a mode involved in setting the compensating functions and adjustment values of an power amplifier and in the first mode source voltage is only supplied to the unit for setting the compensating functions and adjustment values. The second mode is a mode to supply source voltages to the entire vehicle power amplifier. The prior art of record, an admitted prior art reference, Japanese Utility Model Publication No. Hei 5-37532, comprises a voltage supply device (main power source, sub-power source) that supplies power to the entire power amplifier in a second mode and supplies power to a sound level controller (a unit involved in setting the compensation functions and adjustment values) in a first (standby) mode. Under a broad interpretation, the device has means for setting the voltage supply device to a first mode when the device power is turned on and means for setting the voltage supply device to a second mode when the device power is turned on after setting on/off operation of compensation functions (sound level control) in a first mode and turning power off. The means for setting the voltage supply device is the remote control. The prior art of record does not disclose a memory for storing the information that determines either the first mode of

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the second mode and setting the voltage supply device to either the first or second mode based on the information in the memory. As a result, claim 1 and its dependent, claim 3 is allowed.

Claim 4 recites, inter alia, a memory for storing information which specifies either a first mode or a second mode at power on, means for storing the information indicating the first mode in the memory before shipment of the vehicle power amplifier, means for storing the information indicating the second mode in the memory after setting on/off operation of compensation functions and associated adjustment values and a voltage supply for supplying source voltages to blocks in the vehicle power amplifier based on the information stored in the memory. While the prior art of record does disclose and suggest setting on/off operation of compensation functions and associated adjustment values in the first mode (through the sound level controller and display), means for applying a compensation processing to input audio signals based on the setting and amplifying audio signals by a power amplifier unit in a second mode, supplying source voltages only to blocks involved in setting the compensation functions and adjustment values in the first mode and supplying source voltages to an entire vehicle power amplifier in the second mode, it does not suggest the claimed memory and storing the information indicating the second mode in the memory after the setting. Therefore claim 4 and its dependent claim 5 is allowed.

Claim 6 states, inter alia, a memory for storing information which specifies a first mode or a second mode at power on where the first mode is a mode to supply the source voltages only to blocks involved in setting the compensation functions and adjustments values and the second mode is a mode to supply the source voltages to the entire vehicle power amplifier wherein a microcomputer causes to store the information indicating the first mode in the memory before

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shipment of the vehicle power amplifier and the information indicating the second mode in the memory after setting on/off operation of compensation functions and associated adjustment values in the first mode. As stated above, the prior art of record does suggest an adjustment and compensation controller, a voltage supply, a power amplifier unit, however, it does not suggest the claimed memory and storing the information indicating the first mode in the memory before shipment of a vehicle power amplifier and the information indicating the second mode in the memory after setting on/off operation of compensation functions and associated adjustment values in the first mode. Therefore claim 6 and its dependents, claims 7-10 are allowed.

### ***Conclusion***

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian T. Pendleton whose telephone number is (571) 272-7527. The examiner can normally be reached on M-F 7-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on (571) 272-7564. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Brian T. Pendleton  
Examiner  
Art Unit 2644

**BRIAN PENDLETON**  
**PATENT EXAMINER**



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